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NEW MEXICO STATE ELECTRIC UTILITIES

TEN YEAR FORECAST REPORT

TO THE

BUREAU OF LAND MANAGEMENT

1981

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TEN YEAR FORECAST REPORT

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Participating Utilities

1. El Paso Electric Company
2. New Mexico Electric Service Company
3. Plains Electric Generation and Transmission Cooperative, Inc.
4. Public Service Company of New Mexico
5. Southwestern Public Service Company
6. Texas-New Mexico Power Company

Introduction

In order to provide adequate and reliable electric service in the state of New Mexico, electric utility companies operating within the state are required to expand their existing bulk power system on a continual basis. The major components of this expansion, which include the addition of generating facilities, high voltage transmission lines, and switching stations, often involve the acquisition of lands administered by the Bureau of Land Management (BLM).

The participating electric utility companies operating within the state of New Mexico have jointly compiled this Ten-Year Forecast Report to summarize the projected system additions. It is hoped that this coordinated effort will provide the BLM a basis for evaluating their future manpower requirements such that the BLM will be able to respond to right-of-way requests within the time frames desired by the utility industry. It should be clearly understood, however, that the information contained in this report represents only the current plans of each respective utility and is not necessarily a commitment to build the facilities. Many of the projects included in this report may change in terms of their initial service date and/or principal characteristics, and some of the projects may actually be eliminated. Consequently, this report represents only a "best guess" at this point in time and should only be used strictly as a guideline to forecast future BLM manpower requirements.

The report is presented in four sections arranged in the following order: Generating Additions, Transmission Line Additions, Transmission Substation Additions, and Miscellaneous Additions. Within each section the project additions are chronologically listed according to their anticipated in-service date.

Generating Additions

This section provides a general description of each generating plant projected for installation in the state of New Mexico during the next ten years. Included is the station name, number of units, capacity (MW), fuel, proposed location, proposed in-service date, and owner/participant identification.

These generation additions are classified as being in one of the following stages of development:

1. Facilities That are Authorized for Construction

   These projects have been authorized for construction by the respective company.

2. Facilities That are Planned but Not Yet Authorized

   These projects have been studied and are planned by the respective company. However, due to possible changes in needs or other factors, they are not yet authorized for installation.

3. Facilities That are in the Conceptual Stages of Planning

   These projects are in the conceptual stages of development and, thus, the actual need, timing, and characteristics will

be determined by extensive planning and engineering studies yet to be completed. For this reason many of the details associated with these projects are not yet known and have not been included.

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Generating Additions

Plant Designation: Combustion Turbine		
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual		
Gross Capacity (MW): 50	Number of Units: 1	Date BLM Approval Required: 1981
Fuel: Natural Gas		Water Source:
Construction Start Date: 1982		In-service Date: 1983
Location: Algodones Power Plant (Tentatively)		
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.		
Comments: The environmental analysis is presently being completed on this project.		
Date Prepared: April 1981		Compiled by: Plains Electric G & T Cooperative, Inc.

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Generating Additions

Plant Designation: Baca Geothermal Demonstration Power Project Plant		
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual		
Gross Capacity (MW): 50 MW	Number of Units: 1	Date BLM Approval Required: Not Required
Fuel: Geothermal Steam		Water Source: Geothermal Condensate
Construction Start Date: 1983		In-service Date: 1984
Location: Baca Location 1		
Ownership and Participation: Public Service Company of New Mexico, Union Geothermal Company of New Mexico, and the United States Department of Energy.		

Comments:

PNM has had a continuing interest in furthering the commercial exploitation of the Baca geothermal resource for reasons of fuel diversity, the advantage of smaller economically competitive base load units in the event of unit outage, the relatively short construction lead times associated with small unit sizing, and the large geothermal resource potential in New Mexico. PNM and Union were selected by DOE to negotiate a contract for constructing the nation's first commercial-scale plant using underground reservoirs of hot water. The PNM/ Union team was selected from proposals submitted in response to DOE solicitation to share the cost of this first-of-a-kind facility in the United States. DOE will share up to 50 percent of the total project cost. The DOE support will significantly reduce Union's steam price requirement and sufficiently increase the amount PNM can afford to pay for steam, while not operating at costs above commercial base load units. This arrangement would allow both PNM and Union to build and operate the first unit with minimum financial risks. Secondly, with DOE's support for the initial unit, enough experience and understanding of the resource and energy conversion technology could be acquired to support a commercial second unit which is expected to be competitive without DOE financial participation. Reference Transmission Line Additions, page 42.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1519 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Generating Additions

Plant Designation: Plains-Escalante Generating Station		
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual		
Gross Capacity (MW): 233	Number of Units: *1	Date BLM Approval Required: Previously Approved
Fuel: Coal		Water Source: Underground
Construction Start Date: 1980		In-service Date: 1984
Location: Prewitt, McKinley County, New Mexico		
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.		

Comments:

This plant will be solely owned and operated by Plains to meet their projected load growth. Reference Transmission Line Additions, pages 25, 59, and 65, and Transmission Substation Additions, pages 75 and 86.

*Additional units for a total of 1,000 MW could possibly be developed at this site in the future but are not now planned.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1519 4/81

Generating Additions

Plant Designation: New Mexico Generating Station		
Stage of Development: [X] Authorized for construction * [X] Planned but not yet authorized * [X] Conceptual		
Gross Capacity (MW): 2,000 MW	Number of Units: 4	Date BLM Approval Required: April 1983
Fuel: Coal		Water Source: Not Determined
Construction Start Date: August 1984		In-service Date: Unit 1--1990, Unit 2--1992, Unit 3--1994, Unit 4--1995
Location: Bisti, New Mexico		
Ownership and Participation: Public Service Company of New Mexico and possibly others not yet determined.		

Comments:

The submittal date for the Applicant's Environmental Analysis was December 1980. The Prevention of Significant Deterioration (PSD) permit application is scheduled to be filed with EPA in the last quarter of 1981. Reference Transmission Line Additions, pages 61, 63, and 64, and Transmission Substation Additions, pages 106, 110, and 111.

*Unit 1 (500 MW) is authorized; Units 2 through 4 are planned but not yet authorized.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1519 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Generating Additions

Plant Designation: Pumped Storage Hydroelectric Plant		
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☒ Conceptual		
Gross Capacity (MW): 600 MW	Number of Units: 4 @ 150 MW ea	Date BLM Approval Required: Not Required
Fuel: Hydroelectric		Water Source: Uranium Dewatering
Construction Start Date: 1984		In-service Date: 1990 First Two Units; 1991 Second Two Units
Location: Valencia County Near Seboyeta, New Mexico		
Ownership and Participation: Public Service Company of New Mexico will own 50 percent. Other participants not yet determined.		
Comments: Reference Transmission Substation Additions, page 96, and Transmission Line Additions, page 45.		
Date Prepared: April 2, 1981		Compiled by: Public Service Company of New Mexico

PNM 1519 4/81

Transmission Line Additions

This section summarizes each transmission line (115 kV and above) projected for installation in the state of New Mexico during the next ten years. Included is the line designation, voltage level, origin, destination, line length, number of circuits, in-service date, and owner/participation identification. It should be noted, however, that those facilities that clearly do not involve the BLM (i.e., within the cities of Albuquerque, Santa Fe, El Paso, etc.) are omitted.

As with generating additions, these transmission lines are classified as being in one of the following stages of planning:

1. Facilities That are Authorized for Construction

   These projects have been authorized for construction by the respective company.

2. Facilities That are Planned but Not Yet Authorized

   These projects have been studied and are planned by the respective company. However, due to possible changes in needs or other factors, they are not yet authorized for installation.

3. Facilities That are in the Conceptual Stages of Planning

These projects are in the conceptual stages of development and, thus, the actual need, timing, and characteristics will be determined by extensive planning and engineering studies yet to be completed. For this reason many of the details associated with these projects are not yet known and have not been included.

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Caballo-Copper Flat	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Permit Has Been Approved
Point of Origin: Caballo Switch Station	Point of Termination: Copper Flat Substation
Length: 12½ Miles	No. of Circuits: One
Construction Start Date: March 1981	In-service Date: May 1981
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	

Purpose / Comments:

Copper Flat Substation at the load end of this line is to be constructed, owned, and operated by Quintana Minerals, Inc.

Reference "Caballo Switching Station" under Transmission Substation Additions, page 70.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

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Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Silver City-North Silver	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 69 kV	Date BLM Approval Required: Not Required
Point of Origin: Silver City, New Mexico	Point of Termination: North Silver Substation
Length: Approximately 3 Miles	No. of Circuits: One
Construction Start Date: January 1981	In-service Date: Second Quarter 1981
Ownership and Participation: 100 percent Texas-New Mexico Power Company.	
Purpose / Comments: To provide transmission service to a new distribution substation. Reference Transmission Substation Additions, page 71.	
Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Turquoise-Phelps Dodge	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Not Required
Point of Origin: Turquoise Station	Point of Termination: Phelps Dodge Near Tyrone, New Mexico
Length: Approximately 2 Miles	No. of Circuits: One
Construction Start Date: July 1981	In-service Date: Third Quarter 1981
Ownership and Participation: 100 percent Texas-New Mexico Power Company.	

Purpose / Comments:

Extend and convert to 115 kV the existing 69 kV transmission tap from the existing Phelps Dodge Substation to a new Phelps Dodge Substation. Terminate the other end of the transmission tap in the Turquoise Station.

The purpose of this construction is to provide additional electric service capacity for additional electric load at Phelps Dodge.

Reference Transmission Line Additions, page 16, and Transmission Substation Additions, page 72.

Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Ojo-Taos	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Permit Received
Point of Origin: Existing Ojo Substation (T22N, R7E, Sec. 25/26)	Point of Termination: Existing Taos Substation
Length: 40 Miles	No. of Circuits: One
Construction Start Date: May 1981	In-service Date: October 1981
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: All required permits have been received, and construction coordination with BLM representatives is ongoing. Reference Transmission Substation Additions, page 85.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Turquoise-No. 1 Line	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 69 kV	Date BLM Approval Required: Not Required
Point of Origin: Turquoise Station	Point of Termination: TNP's No. 1 69 kV Line Near Tyrone, New Mexico
Length: Approximately 2 Miles	No. of Circuits: One
Construction Start Date: July 1981	In-service Date: Fourth Quarter 1981
Ownership and Participation: 100 percent Community Public Service Company.	
Purpose / Comments: To provide firm 69 kV supply capacity for the area 69 kV system load growth. Reference Transmission Line Additions, page 14, and Transmission Substation Additions, page 72.	
Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: 115 kV to Waste Isolation Pilot Project	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: January 1984
Point of Origin: 10 Miles South of Potash Junction	Point of Termination: 10 Miles East of Point of Origin
Length: 10 Miles	No. of Circuits: One
Construction Start Date: Mid-1981	In-service Date: January 1982
Ownership and Participation: To be owned by Southwestern Public Service Company.	
Purpose / Comments: Potash Junction is located 16 miles east of Carlsbad.	
Date Prepared: March 26, 1981	Compiled by: Southwestern Public Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: San Juan to Shiprock	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Obtained
Point of Origin: Existing San Juan Switching Station (T31N, R7W, Sec. 29)	Point of Termination: Existing Shiprock Switching Station (T30N, R16W, Sec. 24)
Length: 2 Miles	No. of Circuits: One
Construction Start Date: 1981	In-service Date: May 1982
Ownership and Participation: Public Service Company of New Mexico.	

Purpose / Comments:

This transmission line will provide additional capacity between WAPA's 230 kV system and PNM's 345 kV system and serve as an interconnection between PNM, Tucson, and WAPA. This line will initially be operated at 230 kV.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

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Transmission Line Additions

Line Designation: Roosevelt County Interchange to Roswell (Chaves County Interchange)	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 230 kV	Date BLM Approval Required: July 1981
Point of Origin: County Line Between Clovis & Portales	Point of Termination: Northeast of Roswell
Length: 109 Miles	No. of Circuits: One
Construction Start Date: December 1981	In-service Date: *July 1982

Ownership and Participation:

Owned solely by Southwestern Public Service Company.

Purpose / Comments:

This line will be a source of power from Tolk Station, which is under construction near Muleshoe, Texas, for the Pecos Valley area of New Mexico.

*This date has been moved forward to allow the gas-fired generators at Roswell to be removed from service.

This is the first step of the conceptual plan of building Roosevelt County Interchange to Eddy County Interchange (see page 55 of Transmission Line Additions).

Date Prepared: March 26, 1981	Compiled by: Southwestern Public Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: BA to Norton	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: February 1982
Point of Origin: (T13N, R4E, Sec. 14)--Existing BA Station	Point of Termination: (T18N, R8E, Sec. 28)--Existing Norton Station
Length: 42.5 Miles	No. of Circuits: One
Construction Start Date: March 1982	In-service Date: December 1982
Ownership and Participation: Public Service Company of New Mexico.	

Purpose / Comments:

The proposed transmission line will provide a 345 kV source to the associated Norton 345-115 kV Switching Station for the northern New Mexico area. Reference Transmission Substation Additions, pages 76, 77, and 107.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

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Transmission Line Additions

Line Designation: Bluewater to PEGS East Tap Reconductor	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1981
Point of Origin: PEGS East Tap	Point of Termination: Bluewater Substation (T12N, R10W, Sec. 19)
Length: 9 Miles	No. of Circuits: One
Construction Start Date: 1982	In-service Date: 1982
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: Install larger conductor on existing wood pole line to bring power from the new Plains-Escalante Generating Station to one of the load centers in the area.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

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Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Dona Ana to Alamogordo Reconductor	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1981
Point of Origin: Dona Ana (T23S, R2E, Ext. Sec. 6)	Point of Termination: Alamogordo
Length: Approximately 65 Miles	No. of Circuits: One
Construction Start Date: 1982	In-service Date: 1982
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc., El Paso Electric, and Texas-New Mexico Power Company.	
Purpose / Comments: In order to upgrade the existing 115 kV system and provide transmission support for the anticipated load growth for the service areas of the above-named participants.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

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Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Reconstruction of Elephant Butte to Socorro	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1982
Point of Origin: Elephant Butte (T13S, R3W, Ext. Sec. 30)	Point of Termination: Socorro (T3S, R1W, Ext. Sec. 15)
Length: 77 Miles	No. of Circuits: One
Construction Start Date: 1982	In-service Date: 1982
Ownership and Participation:	
Purpose / Comments: Reconstruction to replace deteriorated structures.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: MD No. 1-Santa Rita	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1982--If Required
Point of Origin: Central, New Mexico	Point of Termination: Santa Rita Mine
Length: Approximately 5 Miles	No. of Circuits: One
Construction Start Date: 1982	In-service Date: 1982
Ownership and Participation: 100 percent Texas-New Mexico Power Company.	
Purpose / Comments: The purpose of this transmission line is to provide additional electric service to Kennecott Copper Corporation.	
Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

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Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation:
Plains-Escalante Generating Station-Ambrosia

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage Class:	Date BLM Approval Required:
230 kV	1981
Point of Origin:	Point of Termination: Existing Ambrosia
Plains-Escalante Generating Station	Substation (T14N, R10W, Sec. 36)
Length:	No. of Circuits:
14.5 Miles	One
Construction Start Date:	In-service Date:
1982	1982

Ownership and Participation:
Plains Electric Generation and Transmission Cooperative, Inc.

Purpose / Comments:
To carry power from the new generating station to a load center. Reference Generating Additions, page 7; Transmission Line Additions, pages 59 and 65; and Transmission Substation Additions, pages 75 and 86.

Date Prepared:	Compiled by:
April 1981	Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: San Juan-Springerville-Vail System (McKinley-Springerville 345 kV Line)	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Obtained
Point of Origin: Existing McKinley Switching Station	Point of Termination: Springerville, Arizona
Length: 114 Miles	No. of Circuits: 102 Miles Single Circuit; 12 Miles Double Circuit Towers Strung One Side
Construction Start Date: 1978	In-service Date: 1982
Ownership and Participation: Public Service Company of New Mexico and Tucson Electric Power.	

Purpose / Comments:

This line will parallel the existing McKinley to Greenlee 345 kV line for approximately 102 miles and then traverse west for approximately 12 miles to the Springerville Generating Station.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

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Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: San Juan-Springerville-Vail System (San Juan-McKinley 345 kV Line No. 2)	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Obtained
Point of Origin: San Juan Generating Station (T31N, R7W)	Point of Termination: Existing McKinley Switching Station
Length: 90 Miles	No. of Circuits: One
Construction Start Date: 1978	In-service Date: 1982
Ownership and Participation: Public Service Company of New Mexico and Tucson Electric Power.	
Purpose / Comments: This line will parallel the existing San Juan to McKinley 345 kV line.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

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Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Taos to Springer Reconductor	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: No BLM Lands Crossed
Point of Origin: Existing Taos Substation	Point of Termination: Springer Substation (T25N, R22E, Sec. 16)
Length: Approximately 60 Miles	No. of Circuits: One
Construction Start Date: 1981	In-service Date: 1982
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: In order to upgrade the existing system with the most efficient means to provide the power for the anticipated load growth in Plains' northern system.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Transmission Line Additions

Line Designation: Four Corners to Ambrosia to Pajarito	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 500 kV	Date BLM Approval Required: BIA Lead Agent (F.E.S. Completed January 1981)
Point of Origin: Four Corners 500 kV Switching Station	Point of Termination: Ambrosia (T14N, R10W, Sec. 36) Pajarito (T9N, R1E, Sec. 13)
Length: 173 Miles	No. of Circuits: One
Construction Start Date: April 1982	In-service Date: April 1983
Ownership and Participation: Public Service Company of New Mexico and probably El Paso Electric Company and Plains Electric Generating and Transmission Cooperative, Inc.	

Purpose / Comments:

This transmission line is required to provide additional transmission capacity from the Four Corners area to the major load centers of PNM, PGT, and EPE and to provide local support to the western New Mexico transmission system. The F.E.S. was completed by the BIA on January 21, 1981. The BLM and USFS are currently doing site specific work on their lands and expected to be complete by the third quarter of 1981. Reference Transmission Substation Additions, pages 80 and 82.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: New Mexico State Line to Roosevelt County Interchange	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 230 kV	Date BLM Approval Required: July 1982
Point of Origin: Tolk Station	Point of Termination: 9 Miles South of Clovis
Length: 50 Miles (12 Miles in New Mexico)	No. of Circuits: One
Construction Start Date: December 1982	In-service Date: June 1983
Ownership and Participation: Solely owned by Southwestern Public Service Company.	
Purpose / Comments: This is the second 230 kV source to the Roosevelt/Curry area. This line also is the source for the 230 kV line to the Roswell area.	
Date Prepared: March 26, 1981	Compiled by: Southwestern Public Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Norton to Los Alamos	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: January 1983
Point of Origin: Existing Norton Switching Station (T18N, R8E, Sec. 28)	Point of Termination: Existing ETA Station (T19N, R6E, Sec. 16/17)
Length: 12.4 Miles	No. of Circuits: One
Construction Start Date: June 1983	In-service Date: September 1983
Ownership and Participation: Public Service Company of New Mexico.	

Purpose / Comments:

The proposed transmission line will provide additional transmission capability to the Los Alamos area.

Date Prepared: April 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation:
Cryogenics

Stage of Development:
☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual

Voltage Class:	Date BLM Approval Required:
115 kV	1982
Point of Origin:	**Point of Termination:**
(Sec. 13, T24S, R33E)	(Sec. 33, T26S, R33E)
Length:	**No. of Circuits:**
14.75 Miles	One
Construction Start Date:	**In-service Date:**
1983	1983

Ownership and Participation:
New Mexico Electric Service Company.

Purpose / Comments:
To serve Cryogenics Plant and Compressor Stations. Reference page 83 of the Transmission Substation Additions Section.

Date Prepared:	Compiled by:
March 28, 1980	New Mexico Electric Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Kerr-McGee Line	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1982
Point of Origin: Ambrosia Lake or Taylor Substation	Point of Termination: Kerr-McGee Substation
Length: 10 Miles	No. of Circuits: One
Construction Start Date: Estimated 1983	In-service Date: Estimated 1983
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: See "Kerr-McGee" under Substations, page 84.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: MD No. 1-Hurley	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1983--If Required
Point of Origin: Central, New Mexico	Point of Termination: Near Hurley, New Mexico
Length: Approximately 5 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: 1983
Ownership and Participation: 100 percent Texas-New Mexico Power Company.	
Purpose / Comments: The purpose of this transmission line is to provide electric service to a proposed Oxygen Plant near Hurley.	
Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Taos-Alamosa	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: 1982
Point of Origin: Taos, New Mexico	Point of Termination: Colorado Border, North of Taos
Length: 40 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: 1983
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: This line's primary function is to provide a means of backup power in times of emergencies for either the state of New Mexico or Colorado.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation:
Taos-Questa 115 kV Line

Stage of Development:
☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual

Voltage Class:	Date BLM Approval Required:
115 kV	1982
Point of Origin:	**Point of Termination:**
Taos Substation	Questa Substation--Taos County
Length:	**No. of Circuits:**
20 Miles	One
Construction Start Date:	**In-service Date:**
1983	1983

Ownership and Participation:
Plains Electric Generation and Transmission Cooperative, Inc.

Purpose / Comments:
This line would be required only if load growth warrants its construction.

Date Prepared:	Compiled by:
April 1981	Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Norton to Santa Fe	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1982
Point of Origin: Existing Norton Switching Station (T18N, R8E, Sec. 28)	Point of Termination: Tesuque Station (T18N, R9E, Sec. 1/2)
Length: 10 Miles	No. of Circuits: One
Construction Start Date: Approximately September 1983	In-service Date: June 1984
Ownership and Participation: Public Service Company of New Mexico.	
Purpose / Comments: The proposed transmission line will provide additional transmission capability to the Santa Fe area.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Second Hidalgo-Greenlee	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: 1983
Point of Origin: Existing Hidalgo Switching Station	Point of Termination: Existing Greenlee Switching Station
Length: 60 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: Summer 1984
Ownership and Participation: Probably jointly owned by EPE, TNP, and PNM. Degree of participation not yet agreed upon.	
Purpose / Comments: To provide bulk power transmission from the Palo Verde Nuclear Generating Station in Arizona into southwest New Mexico and El Paso, as well as to enhance the reliability of the system.	
Date Prepared: April 1, 1981	Compiled by: El Paso Electric

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Second Hidalgo-Luna	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: 1983
Point of Origin: Existing Hidalgo Switching Station	Point of Termination: Existing Luna Switching Station
Length: 50 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: Summer 1984

Ownership and Participation:

Probably jointly owned by EPE, TNP, and PNM. Degree of participation not yet agreed upon.

Purpose / Comments:

To provide bulk power transmission from Palo Verde Nuclear Generating Station in Arizona into southwest New Mexico and El Paso, as well as to enhance the reliability of the system.

Date Prepared: April 1, 1981	Compiled by: El Paso Electric

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Holloman-Pajarito	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: 1983
Point of Origin: Pajarito (T19N, R1E, Sec. 13)	Point of Termination: Holloman
Length: 160 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: Summer 1984

Ownership and Participation:

Texas-New Mexico Power Company, El Paso Electric Company, and Plains Electric Generation and Transmission Cooperative, Inc.

Purpose / Comments:

To provide bulk power transmission from the Palo Verde Nuclear Generating Station and from the north of New Mexico into El Paso, and to provide system reliability for the growing electric loads in the southeast part of the state.

Reference Transmission Substation Additions, page 88.

Date Prepared: April 1, 1981	Compiled by: TNP, EPE, and PGT

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Luna-Rio Grande	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: 1983
Point of Origin: Existing Luna Station	Point of Termination: Existing Rio Grande Switching Station
Length: 87 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: Summer 1984
Ownership and Participation: Probably wholly owned by El Paso.	
Purpose / Comments: Bulk power transmission from the Palo Verde Nuclear Generating Station into El Paso as well as to enhance system reliability.	
Date Prepared: April 1, 1981	Compiled by: El Paso Electric

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Baca to Los Alamos	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Not Required
Point of Origin: Baca Geothermal Plant	Point of Termination: Existing ETA Substation (T19N, R6E, Sec. 16/17)
Length: Approximately 20 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico.	
Purpose / Comments: This transmission line will provide a transmission outlet for the planned Baca Geothermal Demonstration Power Plant. Reference Generating Additions, page 6.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Buckeye-Maljamar	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1983
Point of Origin: (Sec. 7, T18S, R35E)--Buckeye	Point of Termination: (Sec. 9, T18S, R32E)--Maljamar
Length: 16 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: 1984
Ownership and Participation: New Mexico Electric Service Company.	
Purpose / Comments: To provide for anticipated increased petroleum industry loads in the area.	
Date Prepared: March 1981	Compiled by: New Mexico Electric Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Elephant Butte to Deming Reconductor	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1983
Point of Origin: Elephant Butte (T13S, R3W, Ext. Sec. 30)	Point of Termination: Existing Mimbres Station
Length: 76 Miles	No. of Circuits: One
Construction Start Date: 1984	In-service Date: 1984
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: In order to upgrade the existing 115 kV transmission system.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Pumped Storage Hydroelectric Plant Transmission	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 500 kV, 230 kV, and 115 kV	Date BLM Approval Required: 1983, If Required
Point of Origin: Pumped Storage Plant Site	Point of Termination: 500 kV (T12N, R4W), 115 kV (T12N, R5W)
Length: 2.5 Miles of 115 kV, 8.5 Miles of 230 kV	No. of Circuits: Two 230 kV (Loop), Two 115 kV (Loop)
Construction Start Date: 115 kV--1983, 230 kV--1983, and 500 kV--1988	In-service Date: 115 kV--1984, 230 kV--1984, and 500 kV--1989
Ownership and Participation: Public Service Company of New Mexico and other participants not yet determined.	

Purpose / Comments:

The 115 kV and 230 kV additions are to be used to supply power to the construction substation and to integrate the Pumped Storage Plant into the existing western area transmission system.

The 500 kV line addition will be installed just prior to the completion of the Pumped Storage Plant.

Reference Generating Additions, page 9, and Transmission Substation Additions, page 96.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: San Juan-Springerville-Vail System (Springerville-Greenlee 345 kV Line)	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Obtained
Point of Origin: Springerville, Arizona	Point of Termination: Existing Greenlee Switching Station
Length: 110 Miles/Circuit	No. of Circuits: Double Circuit Towers; Strung One Side
Construction Start Date: 1978	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico and Tucson Electric Power.	
Purpose / Comments: This line will parallel the existing McKinley to Greenlee 345 kV line for approximately 98 miles north from Greenlee and then traverse west for approximately 12 miles to the Springerville Generating Station.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Seven Lakes to Crownpoint to Springstead	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1982
Point of Origin: Seven Lakes Station (T18N, R11W, Sec. 17/18)	Point of Termination: Springstead Switching Station (T16N, R16W, Sec. 20)
Length: Approximately 35 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico.	

Purpose / Comments:

The proposed 115 kV line is required to provide service to new uranium mines in the area and to provide support to the western New Mexico 115 kV transmission system. Reference Transmission Substation Additions, pages 73, 97, and 98.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: 115 kV Line for Sohio Pipeline Project	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Estimated 1983
Point of Origin: New Switching Station	Point of Termination: Existing Pumping Station
Length: 10 Miles	No. of Circuits: One
Construction Start Date: Estimated 1984	In-service Date: Estimated 1984
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	

Purpose / Comments:

It is anticipated that in 1983 or 1984 approximately ten miles of 115 kV line may be required in Luna County from existing lines to the Sohio Pipeline (as a part of the second phase of the pipeline project). See "Oil Pipeline Switching Station" under Substations, page 95.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Star Lake-Johnson	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Estimated 1983
Point of Origin: Star Lake Substation (T19N, R6W, Sec. 17)	Point of Termination: Intersects Existing San Ysidro-La Jara 115 kV Line in T19N, R3W
Length: 20 Miles	No. of Circuits: One
Construction Start Date: Estimated 1984	In-service Date: Estimated 1984
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: This line will provide loop service to the Freeman-United Substation. Reference Transmission Substation Additions, page 101.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Tesuque-Mejia	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1982
Point of Origin: (T18N, R9E, Sec. 1/2)--Tesuque	Point of Termination: (T17N, R9E, Sec. 14)--Mejia
Length: 6 Miles	No. of Circuits: One
Construction Start Date: 1984	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico.	
Purpose / Comments: Reference Transmission Substation Additions, page 99.	
Date Prepared: May 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Ojo-Norton	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: 1984
Point of Origin: Existing Ojo Station (T22N, R7E, Sec. 25/26)	Point of Termination: Existing Norton Station (T18N, R8E, Sec. 28)
Length: 25 Miles	No. of Circuits: One
Construction Start Date: 1985	In-service Date: 1985
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: Provide transmission support for northern New Mexico loads. Reference Transmission Substation Additions, pages 85 and 107.	
Date Prepared: April 2, 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: San Juan-Springerville-Vail System (Loop Existing McKinley-Greenlee Line Into Springerville)	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Obtained
Point of Origin: Springerville, Arizona	Point of Termination: Existing McKinley-Greenlee 345 kV Line
Length: 13 Miles Per Circuit	No. of Circuits: Two
Construction Start Date: 1984	In-service Date: 1985
Ownership and Participation: Public Service Company of New Mexico and Tucson Electric Power.	
Purpose / Comments: To integrate the existing McKinley-Greenlee line into the newly planned Springerville Switching Station. Work will consist of stringing the second circuit on each of two previously installed double circuit tower lines.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Fruitland Formation; Bisti-Arch Minerals-Gallo Wash-Star Lake-Ambrosia	
Stage of Development: ☒ Authorized for construction * ☒ Planned but not yet authorized * ☒ Conceptual *	
Voltage Class: 230 kV	Date BLM Approval Required: 1981
Point of Origin: Bisti Switching Station (T23N, R13W, Sec. 31)	Point of Termination: Ambrosia Switching Station (T14N, R10W, Sec. 36)
Length: 100 Miles	No. of Circuits: One
Construction Start Date: 1983	In-service Date: 1984-1990
Ownership and Participation: Public Service Company of New Mexico and Plains Electric Generation and Transmission Cooperative, Inc.	

Purpose / Comments:

The proposed facility additions are required to provide adequate, reliable, and economic electric power supply to Public Service Company of New Mexico's and Jemez Mountains Electric Coop.'s new coal mine loads along the Fruitland Formation. An incomplete application has been submitted to the BLM for this project. Reference Transmission Substation Additions, pages 92, 93, 94, 100, 102, 104, and 105.

*PNM's participation in the Bisti to Star Lake line is authorized; PNM's participation in the Star Lake to Ambrosia 230 kV line is conceptual; PGT's participation in the Bisti to Star Lake and Star Lake to Ambrosia lines is planned but not yet authorized.

Date Prepared: March 1981	Compiled by: Plains Electric G & T Coop., Inc., & Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Pajarito to Sandia 345 kV Line	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Unknown
Point of Origin: Pajarito Switching Station (T9N, R1E, Sec. 13)	Point of Termination: Existing Sandia Switching Station (T10N, R4E, Sec. 33)
Length: Approximately 9 Miles	No. of Circuits: One
Construction Start Date: Unknown	In-service Date: Mid- to Late-1980s
Ownership and Participation: Public Service Company of New Mexico.	
Purpose / Comments: To interconnect the 500 kV circuit into the 345 kV system in the Albuquerque area.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Chaves County Interchange to Eddy County Interchange	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 230 kV	Date BLM Approval Required: 1985
Point of Origin: Northeast of Roswell	Point of Termination: 10 Miles East of Artesia
Length: 60 Miles	No. of Circuits: One
Construction Start Date: 1986	In-service Date: 1986
Ownership and Participation: Solely owned by Southwestern Public Service Company.	
Purpose / Comments: This line will complete the 230 kV loop of Tolk Station to Cunningham Station by way of the Pecos Valley. This is the second stage of the previously reported line from Roosevelt Interchange to Roswell Interchange to Eddy County Interchange (see page 19).	
Date Prepared: March 26, 1981	Compiled by: Southwestern Public Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Ochoa-National	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: 1985
Point of Origin: Existing Ochoa Station (Sec. 13, T24S, R33E)	Point of Termination: Existing National Station (Sec. 18, T20S, R34E)
Length: 30 Miles	No. of Circuits: One
Construction Start Date: 1985	In-service Date: 1986
Ownership and Participation: New Mexico Electric Service Company.	
Purpose / Comments: To provide service to anticipated increased petroleum industry loads in the area.	
Date Prepared: March 28, 1981	Compiled by: New Mexico Electric Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Yah-Ta-Hey to Lupton	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Estimated 1985
Point of Origin: Yah-Ta-Hey Substation	Point of Termination: (T14N, R21W)--Lupton
Length: 15 Miles	No. of Circuits: One
Construction Start Date: Estimated 1986	In-service Date: Estimated 1986
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: See "Lupton" under Transmission Substation Additions, page 108.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Hobbs Transmission to PNM	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: Probably 345 kV	Date BLM Approval Required: Unknown
Point of Origin: Unknown	Point of Termination: Unknown
Length: Unknown	No. of Circuits: Unknown
Construction Start Date: Unknown	In-service Date: 1986-1990
Ownership and Participation: Public Service Company of New Mexico.	
Purpose / Comments: Pending the acquisition of New Mexico Electric Service Company. Design details and terminal locations are not yet determined.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Plains-Escalante Generating Station-Ambrosia	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 500 kV	Date BLM Approval Required: 1985
Point of Origin: Plains-Escalante Generating Station	Point of Termination: Existing Ambrosia Substation (T14N, R10W, Sec. 36)
Length: 12½ Miles	No. of Circuits: Two
Construction Start Date: 1986	In-service Date: 1987
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	

Purpose / Comments:

These are potential lines if any more than the first generating unit are built at the Plains-Escalante Generating Station. Reference Generating Additions, page 7; Transmission Line Additions, pages 25 and 65; and Transmission Substation Additions, pages 75 and 86.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Holloman-Caliente	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required:
Point of Origin: Holloman	Point of Termination: Caliente (Texas)
Length: 118 Miles	No. of Circuits: One
Construction Start Date:	In-service Date: Summer 1988
Ownership and Participation: Wholly owned by El Paso.	

Purpose / Comments:

Bulk power transmission from the Palo Verde Nuclear Generating Station and from the north of New Mexico into east El Paso. Reference Transmission Substation Additions, page 88.

Date Prepared: April 1, 1981	Compiled by: El Paso Electric

PNM 1521 4/81

Transmission Line Additions

Line Designation:
New Mexico Generating Station Transmission: Double Tap to FC-Ambrosia 500 kV Line

Stage of Development:
☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual

Voltage Class:	Date BLM Approval Required:
500 kV	Mid-1980s
Point of Origin: New Mexico Switching Station (T23N, R13W)	Point of Termination: Four Corners to Ambrosia 500 kV Line
Length: 6 Miles/Circuit	No. of Circuits: Two
Construction Start Date: 1988	In-service Date: 1989

Ownership and Participation:
Public Service Company of New Mexico and possibly others.

Purpose / Comments:
Two 500 kV lines will be used to tie the New Mexico Generating Station into the Four Corners to Ambrosia to Pajarito 500 kV line. Reference Generating Additions, page 8; Transmission Substation Additions, pages 106, 110, and 111; and Transmission Line Additions, pages 63 and 64.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1521 4/81

Transmission Line Additions

Line Designation: Willard-Tularosa	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Unknown
Point of Origin: Willard Substation (T5N, R8E, Sec. 34)	Point of Termination: Tularosa Substation (T14S, R10E, Sec. 21)
Length: 120 Miles	No. of Circuits: One
Construction Start Date: Unknown	In-service Date: Late 1980s
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: Provide transmission support for Plains' member loads in the Carrizozo-Hillswood area.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: New Mexico Generating Station Transmission: Line to Rio Puerco	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 500 kV	Date BLM Approval Required: Mid-1980s
Point of Origin: New Mexico Switching Station (T23N, R13W)	Point of Termination: (T13N, R1E, Sec. 29)--Rio Puerco
Length: 115 Miles	No. of Circuits: One
Construction Start Date: 1988	In-service Date: 1992
Ownership and Participation: Public Service Company of New Mexico and possibly others.	

Purpose / Comments:

A 500 kV line will be required from the New Mexico Generating Station to a new 500-345 kV station called Rio Puerco in the Albuquerque area to provide outlet capacity for New Mexico Generating Station. Reference Generating Additions, page 8; Transmission Substation Additions, pages 106, 110, and 111; and Transmission Line Additions, pages 61 and 64.

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Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: NMGS Transmission: Loop the West Mesa-BA 345 kV Line Into Rio Puerco	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 345 kV	Date BLM Approval Required: Mid-1980s
Point of Origin: New Mexico Switching Station (T23N, R13W)	Point of Termination: West Mesa-BA 345 kV Line
Length: 2 Miles/Circuit	No. of Circuits: Two
Construction Start Date: 1991	In-service Date: 1992
Ownership and Participation: Public Service Company of New Mexico and possibly others.	
Purpose / Comments: To integrate the New Mexico Generating Station outlets at the Rio Puerco Station into the 345 kV system. Reference Generating Additions, page 8; Transmission Substation Additions, pages 106, 110, and 111; and Transmission Line Additions, pages 61 and 63.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Plains-Escalante Generating Station-PEGS East and West Taps	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: No BLM Lands Crossed
Point of Origin: Plains-Escalante Generating Station	Point of Termination: Taps on Grants to Gallup Line
Length: 4½ and 6½ Miles	No. of Circuits: Two
Construction Start Date: 1982	In-service Date: 1982
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	

Purpose / Comments:

Two separate circuits to two different points on the existing Grants to Gallup line to distribute power from the new generating station to loads in the area. Reference Generating Additions, page 7; Transmission Line Additions, pages 25 and 59; and Transmission Substation Additions, pages 75 and 86.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Potash Junction to Sohio Pump Station	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Already Requested
Point of Origin: Potash Junction (N.E. of Carlsbad)	Point of Termination: (32 Miles South of Origin) Sohio Pump Station
Length: 32 Miles	No. of Circuits: One
Construction Start Date: Pending	In-service Date: Pending

Ownership and Participation:

Owned solely by Southwestern Public Service Company.

Purpose / Comments:

This line is to serve an oil pump station owned by Standard of Ohio (Sohio) southeast of Carlsbad, New Mexico.

Date Prepared: March 1981	Compiled by: Southwestern Public Service Company

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Line Additions

Line Designation: Algodones-BA	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage Class: 115 kV	Date BLM Approval Required: Unknown
Point of Origin: Algodones Power Plant	Point of Termination: PNM's BA Station
Length: Approximately 5 Miles	No. of Circuits: One
Construction Start Date: 1992	In-service Date: 1992
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: This line will interconnect Plains' Algodones power plant with PNM's BA substation.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Transmission Substation Additions

This section includes a general description of each new substation (115 kV and above) projected for installation in the state of New Mexico during the next ten years. Included is the station name, location, size, voltage, in-service date, and participation/ownership designation. Again, those facilities that clearly do not involve the BLM are omitted.

As with generation and transmission line additions, these stations are classified as being in one of the following stages of planning:

1. Facilities That are Authorized for Construction

   These projects have been authorized for construction by the respective company.

2. Facilities That are Planned but Not Yet Authorized

   These projects have been studied and are planned by the respective company. However, due to changing system conditions or other factors, they are not yet authorized for installation.

3. Facilities That are in the Conceptual Stages of Planning

   These projects are in the conceptual stages of development and, thus, the actual need, timing, and characteristics will

be determined by extensive planning and engineering studies yet to be completed. For this reason many of the details associated with these projects are not yet known and have not been included.

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Caballo Switching Station	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage: 115 kV	Date BLM Approval Required: Permit Has Been Approved
Location: (SW Quarter, Sec. 35, T15S, R5W)	Estimated Acreage: 3 Acres
Construction Start Date: February 1981	In-service Date: May 1981
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Comments: See "Caballo-Copper Flat" under Transmission Line Additions, page 12.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
North Silver Substation

Stage of Development:
[X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual

Voltage:	Date BLM Approval Required:
69-12.5 kV	Not Required
Location:	**Estimated Acreage:**
(T17S, R14W, Sec. 24)	2 Acres
Construction Start Date:	**In-service Date:**
February 1981	Second Quarter 1981

Ownership and Participation:
100 percent Texas-New Mexico Power Company.

Comments:
This station is required to provide adequate electric service for the growing Silver City electric loads. Reference Transmission Line Additions, page 13.

Date Prepared:	Compiled by:
March 24, 1981	Texas-New Mexico Power Company

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Turquoise	
Stage of Development: [X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual	
Voltage: 115-69 kV	Date BLM Approval Required: Not Required
Location: (T19S, R14W, Sec. 29)	Estimated Acreage: 2 Acres
Construction Start Date: January 1981	In-service Date: Third Quarter 1981
Ownership and Participation: 100 percent Texas-New Mexico Power Company.	

Comments:

The purpose of this station is to provide additional electric service capacity for additional electric load at Phelps Dodge Tyrone mine and to provide firm 69 kV supply capacity for the area 69 kV system load growth. Reference Transmission Line Additions, pages 14 and 16.

Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Crownpoint Substation

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
115-24.9 kV	Obtained
Location:	**Estimated Acreage:**
(T17N, R12W, Sec. 12)	300' x 300'
Construction Start Date:	**In-service Date:**
1983	1984

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
This station will tap the planned Seven Lakes to Springstead 115 kV line and will provide service to a number of new uranium mines in the Crownpoint area.

Reference Transmission Line Additions, page 47.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Chaves County Interchange (Northeast of Roswell)

Stage of Development:
[X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual

Voltage:	Date BLM Approval Required:
230/115 kV	Not on BLM Land
Location:	**Estimated Acreage:**
Roswell	10 Acres
Construction Start Date:	**In-service Date:**
January 1982	July 1982

Ownership and Participation:
Owned solely by Southwestern Public Service Company.

Comments:
This is a new interchange location but will be built on property currently owned by Southwestern Public Service Company.

Date Prepared:	Compiled by:
March 26, 1981	Southwestern Public Service Company

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Escalante Plant Transmission: Termination at Ambrosia

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
230 kV	None Required for Station
Location:	**Estimated Acreage:**
(T14N, R10W, Sec. 36)	No Additional
Construction Start Date:	**In-service Date:**
January 1982	July 1982

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
This covers only the termination of the 230 kV line to Escalante at the existing Ambrosia Switching Station.

This line is to be constructed by Plains Electric Generation and Transmission Cooperative, Inc., from their Escalante Power Plant.

Reference Generating Additions, page 7; Transmission Line Additions, pages 25, 59, and 65; and Transmission Substation Additions, page 86.

Date Prepared:	Compiled by:
March 20, 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
BA Switching Station Expansion

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
345-115 kV	February 1982
Location: Existing BA Station (T13N, R4E, Sec. 14)	Estimated Acreage: Approximately 5 Acres (No New Land Required)
Construction Start Date: April 1982	In-service Date: December 1982

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
The 400 MVA 345-115 kV station in the Bernalillo-Algodones area will be expanded to provide the southern termination for the BA to Norton 345 kV line. Reference Transmission Line Additions, page 20.

The existing fenced area will be utilized. No new land is required.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Norton Switching Station Expansion--Phase 1	
Stage of Development: [X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual	
Voltage: 345-115 kV	Date BLM Approval Required: February 1982
Location: (T18N, R8E, Sec. 28)	Estimated Acreage: 5.5 Acres
Construction Start Date: April 1982	In-service Date: December 1982
Ownership and Participation: Public Service Company of New Mexico.	

Comments:

A 345 kV switchyard with a 400 MVA, 345-115 kV transformer will be added at the existing Norton 115 kV station with the construction of the Norton-BA 345 kV line. An application has been submitted to the BLM for this project. Reference Transmission Line Additions, page 20, and Transmission Substation Addition, page 107.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Bernabe Substation

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
230-24.9 kV	BIA Lead Agent
Location:	**Estimated Acreage:**
(T12N, R2W, Proj. Sec. 35)	300' x 300'
Construction Start Date:	**In-service Date:**
1982	January 1983

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
This substation is required to provide electrical service to the Conoco mine loads. Station design includes provision for mobile transformer hookup.

Date Prepared:	Compiled by:
March 23, 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Roosevelt County Interchange

Stage of Development:
☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
230/115 kV	Addition to Existing Interchange
Location:	**Estimated Acreage:**
9 Miles South of Clovis	No Additional Required
Construction Start Date:	**In-service Date:**
December 1982	June 1983

Ownership and Participation:
Owned solely by Southwestern Public Service Company.

Comments:
Installed for area reserves and to avoid overloading existing transformer during peak conditions.

Date Prepared:	Compiled by:
March 26, 1981	Southwestern Public Service Company

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Ambrosia Switching Station

Stage of Development:
[X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual

Voltage:	Date BLM Approval Required: BIA Lead Agent
500-230 kV	(F.E.S. Completed January 1981)
Location: Existing Ambrosia Station (T14N, R10W, Sec. 36)	Estimated Acreage: Additional 10 Acres
Construction Start Date: November 1982	In-service Date: July 1983

Ownership and Participation:
Public Service Company of New Mexico and probably El Paso Electric Company and Plains Electric Generation and Transmission Cooperative, Inc.

Comments:
A 230-115 kV station presently exists at PNM's Ambrosia Switching Station. In conjunction with the construction of the Four Corners to Ambrosia to Pajarito 500 kV line, a 500-230 kV transformer at Ambrosia will be installed to provide additional support to the western New Mexico area. Reference Transmission Line Additions, page 29.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: South Hospah Station	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 230-115 kV	Date BLM Approval Required: 1982
Location: (T17N, R10W, Sec. 29)	Estimated Acreage: 200' x 200'
Construction Start Date: 1982	In-service Date: January 1983
Ownership and Participation: Public Service Company of New Mexico.	
Comments: This station will be served from a tap of PNM's Four Corners to Ambrosia 230 kV line and will serve new mining loads of Chaco Energy Company.	
Date Prepared: March 17, 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Pajarito Switching Station

Stage of Development:
[X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual

Voltage:	Date BLM Approval Required:
500-345 kV	BIA Lead Agent (F.E.S. Completed in January 1981)
Location: ~~10 Miles Southwest of Albuquerque~~ Near (T9N, R1E, Sec. 13)	Estimated Acreage: 1,500' x 1,500'
Construction Start Date: May 1982	In-service Date: April 1983

Ownership and Participation:
Public Service Company of New Mexico and probably El Paso Electric Company and Plains Electric Generation and Transmission Cooperative, Inc.

Comments:
The planned switching station is required for integration of the planned Four Corners to Ambrosia to Pajarito 500 kV line into the 345 kV transmission system, which will be accomplished by looping the existing West Mesa to El Paso 345 kV line into Pajarito. Reference Transmission Line Additions, page 29.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Cryogenics	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage: 115 kV-12.47 kV	Date BLM Approval Required: 1982
Location: (NE/4, Sec. 33, T26S, R33E)	Estimated Acreage: 0.5
Construction Start Date: 1983	In-service Date: Late 1983
Ownership and Participation: New Mexico Electric Service Company.	
Comments: To serve Cryogenics Plant and Compressor Stations. Reference page 32 of Transmission Line Additions.	
Date Prepared: March 28, 1981	Compiled by: New Mexico Electric Service Company

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Kerr-McGee

Stage of Development:
☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual

Voltage:	Date BLM Approval Required:
115/24.9 kV	Estimated 1982
Location:	**Estimated Acreage:**
(Sec. 9, T13N, R8W)	2 to 3 Acres
Construction Start Date:	**In-service Date:**
Estimated 1983	Estimated 1983

Ownership and Participation:
Plains Electric Generation and Transmission Cooperative, Inc.

Comments:
See "Kerr-McGee Line" under Transmission Substation Additions, page 33.

Date Prepared:	Compiled by:
April 1981	Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Ojo Station Expansion

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
345 kV	February 1982
Location:	**Estimated Acreage:**
(T22N, R7E, Sec. 25 and 26)	0 Acreage (Utilizes Existing Site)
Construction Start Date:	**In-service Date:**
1982; 1984	1983; 1985

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
Addition of 345 kV breakers to terminate the Ojo-Taos 345 kV line (1983) and the Ojo-Norton 345 kV line (1985). Reference Transmission Line Additions, pages 15 and 51.

Date Prepared:	Compiled by:
April 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Plains-Escalante Generating Station	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 115 kV	Date BLM Approval Required: Not on BLM Land
Location: Northwestern New Mexico (T14N, R12W)	Estimated Acreage: About 40 Acres
Construction Start Date: 1982	In-service Date: 1983
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	

Comments:

In conjunction with the development of the Plains-Escalante Generating Station, a new 115 kV station will be needed at the plant to terminate the required transmission outlets.

Reference Generating Additions, page 7; Transmission Line Additions, pages 25 59, and 65; and Transmission Substation Additions, page 75.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Questa	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage: 115/69 kV	Date BLM Approval Required: 1982
Location: Taos County	Estimated Acreage: 10 Acres
Construction Start Date: 1983	In-service Date: 1983
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Comments: See Taos-Questa under Transmission Line Additions, page 36.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Holloman

Stage of Development:
☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
345 kV	
Location:	**Estimated Acreage:**
Alamogordo City	
Construction Start Date:	**In-service Date:**
	Summer 1984

Ownership and Participation:
Texas-New Mexico Power Company, El Paso Electric Company, and Plains Electric Generation and Transmission Cooperative, Inc.

Comments:
Terminal point for Pajarito-Holloman 345 kV and Holloman-Caliente 345 kV lines.

Reference Transmission Line Additions, pages 40 and 60.

Date Prepared:	Compiled by:
April 1, 1981	El Paso Electric

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Consolidated Coal Switching Station	
Stage of Development: [X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual	
Voltage: 230 kV	Date BLM Approval Required: 1983, If Required
Location: (Sec. 31, T23N, R13W)	Estimated Acreage: 3.7 Acres
Construction Start Date: March 1984	In-service Date: September 1984
Ownership and Participation: Public Service Company of New Mexico.	

Comments:

This project will include the construction of a 230 kV three-breaker ring on the AF 230 kV line and provisions for the customer (NTUA) to connect into this PNM Station.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Alamogordo 345/115 kV	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 345-115 kV	Date BLM Approval Required: 1983--If Required
Location: Near Alamogordo, New Mexico	Estimated Acreage: 3 to 5 Acres
Construction Start Date: 1981	In-service Date: 1984

Ownership and Participation:
Texas-New Mexico Power Company, El Paso Electric Company, and Plains Electric Generating and Transmission Cooperative, Inc.

Comments:
To provide adequate electric service for the area's growing electric loads. The location of this station will probably be the same as that for the Holloman station on page 88.

Date Prepared: March 24, 1981	Compiled by: Texas-New Mexico Power Company

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Freeman-United	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage: 115 kV	Date BLM Approval Required: Estimated 1983
Location: (T19N, R5W)	Estimated Acreage: 3 to 5 Acres
Construction Start Date: Estimated 1984	In-service Date: Estimated 1984
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	

Comments:

Will be along Star Lake-Johnson line. Reference Transmission Line Additions, page 49.

Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Fruitland Formation: Bisti Switching Station	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage: 230 kV	Date BLM Approval Required: 1981
Location: (T23N, R13W, Sec. 31)	Estimated Acreage: 600' x 600'
Construction Start Date: 1983	In-service Date: 1984

Ownership and Participation:

Public Service Company of New Mexico. PG&T will probably be a participant and share Bisti Station cost responsibility.

Comments:

This station is required in conjunction with the Bisti to Arch Minerals to Gallo Wash to Star Lake to Ambrosia 230 kV line. Reference Transmission Line Addition, page 53.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Fruitland Formation: Western Associates Substation	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage: 230-115 kV	Date BLM Approval Required: 1981
Location: (T22N, R11W)	Estimated Acreage: 200' x 200'
Construction Start Date: 1983	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico.	
Comments: This station will be tapped off the Bisti to Star Lake 230 kV line and is required to provide service to Western Associates Coal Mine along the Fruitland Formation. Reference Transmission Line Additions, page 53.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Gallo Wash No. 1	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage: 230/115 kV	Date BLM Approval Required: Estimated 1983
Location: (Sec. 31, T21N, R8W)	Estimated Acreage: 3 to 5 Acres
Construction Start Date: Estimated 1984	In-service Date: Estimated 1984
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Comments: Taps the Bisti-Star Lake-Ambrosia line.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Oil Pipeline Switching Station

Stage of Development:
☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual

Voltage:	Date BLM Approval Required:
115/13.8 kV	Estimated 1983
Location:	**Estimated Acreage:**
Luna County	3 to 5 Acres
Construction Start Date:	**In-service Date:**
Estimated 1984	Estimated 1984

Ownership and Participation:
Plains Electric Generation and Transmission Cooperative, Inc.

Comments:
See "115 kV Line for Sohio Pipeline Project" under Transmission Line Additions, page 48.

Date Prepared:	Compiled by:
April 1981	Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Pumped Storage Switching Station

Stage of Development:
☒ Authorized for construction * ☒ Planned but not yet authorized * ☐ Conceptual

Voltage:	Date BLM Approval Required:
500 kV, 230 kV, and 115 kV	1983, If Required
Location:	Estimated Acreage: About 50 Acres
Western New Mexico	(Should Be Entirely on Private Land)
Construction Start Date:	In-service Date:
115 kV, 230 kV--1983; 500 kV--1988	115 kV, 230 kV--1984; 500 kV--1989

Ownership and Participation:
Public Service Company of New Mexico and others not yet determined.

Comments:
This switching station will accommodate the Pumped Storage interconnections and the 115 kV and 230 kV loop interconnections. The station will be built in two phases. The first phase will provide the initial 115 kV interconnection. Phase two will complete the 115 kV and 230 kV loops and the connection to the 500 kV circuit.

Reference Generating Additions, page 9, and Transmission Line Additions, page 45.

*The 115 kV Substation is authorized. The 500 kV Station is planned.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Seven Lakes Switching Station	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage: 230-115 kV	Date BLM Approval Required: Not Required
Location: (T18N, R11W, Sec. 18)	Estimated Acreage: 800' x 800' (No Additional Land Is Required)
Construction Start Date: 1983	In-service Date: 1984

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
The existing Seven Lakes Substation will be expanded to accommodate a 200 MVA, 230-115 kV transformer to serve the loads along the Seven Lakes to Springstead 115 kV line. Reference Transmission Line Additions, page 47.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Springstead Switching Station

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
115 kV	1982
Location:	**Estimated Acreage:**
(T16N, R15W, Sec. 20)	200' x 200'
Construction Start Date:	**In-service Date:**
1983	1984

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
This present tap of PNM's existing Yah-Ta-Hey to Ambrosia 115 kV line serving Church Rock Substation will be expanded to a switching station to provide for termination of the Seven Lakes to Springstead 115 kV line. Reference Transmission Line Additions, page 47.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Tesuque	
Stage of Development: [X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual	
Voltage: 115 kV	Date BLM Approval Required: 1982
Location: (T18N, R9E, Sec. 1/2)	Estimated Acreage: About 1 Acre
Construction Start Date: 1984	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico.	
Comments: Will install a 115 kV circuit switcher and a 115/12.47 kV transformer at the station. Reference Transmission Line Additions, page 50.	
Date Prepared: May 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Fruitland Formation: Star Lake Switching Station	
Stage of Development: [X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual	
Voltage: 345-230 kV	Date BLM Approval Required: 1981
Location: Approximately (T19N, R6W, Sec. 17)	Estimated Acreage: 800' x 800'
Construction Start Date: 1984	In-service Date: 1984-1990
Ownership and Participation: Public Service Company of New Mexico.	

Comments:

This station will tap PNM's Four Corners to West Mesa 345 kV line to provide a second source of electrical service to mining loads along the Fruitland Formation. Reference Transmission Line Additions, page 53.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Star Lake	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 230/115 kV	Date BLM Approval Required: 1983
Location: (Sec. 32, T20N, R6W)	Estimated Acreage: 3 to 5 Acres
Construction Start Date: 1984	In-service Date: 1984-1990
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Comments: Taps the Bisti-Star Lake-Ambrosia Line. Reference Transmission Line Additions, page 49.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Fruitland Formation: Sunbelt Substation

Stage of Development:
[X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual

Voltage:	Date BLM Approval Required:
230-115 kV	1981
Location:	**Estimated Acreage:**
(T23N, R13W, Sec. 36)	200' x 200'
Construction Start Date:	**In-service Date:**
1985	1986

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
This station will be tapped from the Bisti to Star Lake 230 kV line and is required to provide service to the Sunbelt Company Bisti Mine and for the New Mexico Station Construction Substation. Reference Transmission Line Additions, page 53; Generating Additions, page 8; and Transmission Substation Additions, page 106.

(Arch Mineral 1 and Western Coal merged to form Sunbelt.)

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Marcelina

Stage of Development:
☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
230-24.9 kV	1984
Location: Tap Along Four Corners to Ambrosia 230 kV Line About 10 Mi. N. of Ambrosia	Estimated Acreage: 200' x 200'
Construction Start Date: 1984	In-service Date: July 1985

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
This station is needed to serve new Conoco mining loads and later mining loads of Gulf Oil Company.

Date Prepared:	Compiled by:
March 17, 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Fruitland Formation: Arch Mineral	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage: 230-115 kV	Date BLM Approval Required: 1981
Location: (T22N, R11W, Sec. 13)	Estimated Acreage: 200' x 200'
Construction Start Date: 1983	In-service Date: 1984
Ownership and Participation: Public Service Company of New Mexico.	
Comments: This station will provide service to the Arch Mineral Coal Mine along the Fruitland Formation. Reference Transmission Line Additions, page 53.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Gallo Wash No. 2	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 230/115 kV	Date BLM Approval Required: Estimated 1982
Location: (Sec. 23, T21N, R9W)	Estimated Acreage: 3 to 5 Acres
Construction Start Date: 1983	In-service Date: 1983
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Comments: Taps the Bisti-Star Lake-Ambrosia Lake circuit.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
New Mexico Generating Station: Construction Substation

Stage of Development:
☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual

Voltage:	Date BLM Approval Required:
115/12.5 kV	1983
Location:	**Estimated Acreage:**
(T23N, R13W, Sec. 23)	On New Mexico Station Site
Construction Start Date:	**In-service Date:**
1983	1985

Ownership and Participation:
Public Service Company of New Mexico and possibly others.

Comments:
This station is required for New Mexico Generating Station construction power, and the 115 kV source will be the Bisti 230-115 kV Substation. Reference Generating Additions, page 8, and Transmission Substation Additions, pages 111 and 112.

Date Prepared:	Compiled by:
March 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name:
Norton Station Expansion--Phase 2

Stage of Development:
[X] Authorized for construction [ ] Planned but not yet authorized [ ] Conceptual

Voltage:	Date BLM Approval Required:
345 kV	February 1982
Location:	Estimated Acreage:
(T18N, R8E, Sec. 29)	5.5 Acres
Construction Start Date:	In-service Date:
1984	1984

Ownership and Participation:
Public Service Company of New Mexico.

Comments:
Three breakers are to be installed to terminate the Ojo-Norton 345 kV line.

Reference Transmission Line Additions, page 51, and Transmission Substation Additions, page 77.

Date Prepared:	Compiled by:
April 1981	Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Lupton	
Stage of Development: ☐ Authorized for construction ☐ Planned but not yet authorized ☒ Conceptual	
Voltage: 115/69 kV	Date BLM Approval Required: Estimated 1985
Location: (T14N, R21W)	Estimated Acreage: 2 to 3 Acres
Construction Start Date: Estimated 1986	In-service Date: Estimated 1986
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Comments: Reference Transmission Line Additions, page 57.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Second Yah-Ta-Hey Transformer	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 345 kV	Date BLM Approval Required: Not Required
Location: Existing Yah-Ta-Hey Switching Station	Estimated Acreage: No Additional Land Is Required
Construction Start Date: 1986	In-service Date: 1987
Ownership and Participation: Public Service Company of New Mexico.	
Comments: The 200 MVA, 345/115 kV transformer is needed to provide bulk source capacity to the western New Mexico area.	
Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: New Mexico Switching Station	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 500 kV	Date BLM Approval Required: Mid-1980s
Location: New Mexico Generating Station Site (T23N, R13W)	Estimated Acreage: Approximately 80 Acres
Construction Start Date: 1988	In-service Date: 1989
Ownership and Participation: Public Service Company of New Mexico and possibly others.	

Comments:

In conjunction with the development of the planned New Mexico Generating Station, a new 500 kV station will be needed at the plant to terminate the required transmission outlets. Reference Transmission Line Additions, pages 61, 63, and 64, and Generating Additions, page 8.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Transmission Substation Additions

Station Name: Rio Puerco Switching Station	
Stage of Development: ☐ Authorized for construction ☒ Planned but not yet authorized ☐ Conceptual	
Voltage: 500-345 kV	Date BLM Approval Required: Mid-1980s
Location: (T13N, R1E, Sec. 29)	Estimated Acreage: Approximately 40 Acres
Construction Start Date: 1991	In-service Date: 1992
Ownership and Participation: Public Service Company of New Mexico and possibly others.	

Comments:

A new 500-345 kV station will be required to integrate the planned New Mexico Generating Station 500 kV transmission line into the 345 kV system near Albuquerque. In addition, the Four Corners to West Mesa 345 kV line and the BA to West Mesa 345 kV line will be looped into the new Rio Puerco Switching Station. Reference Transmission Line Additions, page 63, and Generating Additions, page 8.

Date Prepared: March 1981	Compiled by: Public Service Company of New Mexico

PNM 1520 4/81

Miscellaneous Additions

This section includes a general description of miscellaneous projects anticipated in the state of New Mexico during the next ten years. Included is the type of project, proposed locations, proposed in-service date, and owner/participant identification.

These additions are classified as being in one of the following stages of development:

1. Facilities That are Authorized for Construction

   These projects have been authorized for construction by the respective company.

2. Facilities That are Planned but Not Yet Authorized

   These projects have been studied and are planned by the respective company. However, due to possible changes in needs or other factors, they are not yet authorized for installation.

3. Facilities That are in the Conceptual Stages of Planning

   These projects are in the conceptual stages of development and, thus, the actual need, timing, and characteristics will be determined by extensive planning and engineering studies

yet to be completed. For this reason many of the details associated with these projects are not yet known and have not been included.

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Miscellaneous Additions

Line Designation: Plains-Escalante Generating Station Railroad Spur	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: N/A	Date BLM Approval Required: 1979
Point of Origin: Existing AT&SF Railroad	Point of Termination: Plains-Escalante Generating Station
Length: Approximately 5 Miles	No. of Circuits: One Spur
Construction Start Date: 1980	In-service Date: 1984
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: This railroad spur will be used to supply coal to the power plant as fuel.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

Information Contained Herein for BLM Planning Purposes Only as Data is Subject to Change at the Discretion of the Participating Utilities

Miscellaneous Additions

Line Designation: Plains-Escalante Generating Station-Water Pipeline	
Stage of Development: ☒ Authorized for construction ☐ Planned but not yet authorized ☐ Conceptual	
Voltage Class: Water Pipeline	Date BLM Approval Required: 1979
Point of Origin: Various Locations	Point of Termination: Plains-Escalante Generating Station
Length: Approximately 25 Miles	No. of Circuits: Pipeline: One
Construction Start Date: 1982	In-service Date: 1983
Ownership and Participation: Plains Electric Generation and Transmission Cooperative, Inc.	
Purpose / Comments: This water pipeline is in conjunction with the water required for the Escalante Power Plant for cooling water.	
Date Prepared: April 1981	Compiled by: Plains Electric G & T Cooperative, Inc.

PNM 1521 4/81

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